

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAMES:

*Green Light Fung-Away Fungicide*

*Green Light Fung-Away Fungicide*

*Green Light Fung-Away Systemic Lawn Spray*

*Green Light Fung-Away Systemic Lawn Spray Hose-End (RTS)*

### Size

8 oz

Pint

Quart

Quart

### Prod #

02808

02816

02932

03132



GENERAL USE: Agriculture fungicide

PRODUCT DESCRIPTION: Light amber liquid, sweet odor.

EPA Reg. No. 869-222

### MANUFACTURER'S NAME

Green Light Company

DATE PREPARED: March 4, 2002

SUPERSEDES: December 10, 2001

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### ADDRESS (NUMBER, STREET, P.O. BOX)

P.O. Box 17985

### TELEPHONE NUMBER FOR INFORMATION

(210) 494-3481

### (CITY, STATE AND ZIP CODE)

San Antonio, TX 78217-0985

### COUNTRY

USA

### EMERGENCY TELEPHONE NUMBER

Infotrac (800) 535-5053

### DISTRIBUTOR'S NAME

Same

### ADDRESS (NUMBER, STREET, P.O. BOX)

### TELEPHONE NUMBER FOR INFORMATION

### (CITY, STATE AND ZIP CODE)

### COUNTRY

### EMERGENCY TELEPHONE NUMBER

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M <sup>3</sup>	PPM	MG/M <sup>3</sup>		
1,2-Propylene glycol (d)	57-55-6	80 - 100	not established					
Triadimefon (a,e,*)	43121-43-3	0.5 - 1.0	* 1		* 1		Yes	
Cyclohexanone (b,c)	108-94-1	0.5 - 1.5	50	200	25	5000		
Trimethylbenzenes, mixed isomers (a)	25551-13-7	0.25 - 1.0			25	Yes		
(a,c,e) See Section 15								

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

(d) This product is not considered a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, certain regulatory agencies, government agencies or states may require the listing of this product or the p

(\*) The ACGIH Threshold Limit Value (TLV) has not been established nor has OSHA established the Permissible Exposure Limit (PEL) for this product, therefore the limits described have been established as guidelines by the manufacturer.

(e) Indicates this product is not listed on the Canadian DSL or NDSL.

## SECTION 3 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Mild liquid, prolonged contact may cause skin & eye irritation. Ingestion may cause gastric distress. Hazard symbols for this product - XI, XN

### POTENTIAL HEALTH EFFECTS

INHALATION: Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

SKIN: Contact with skin may cause irritation, dermatitis.

EYES: Contact with eyes may cause pain and irritation.

INGESTION: Irritating to digestive tract; may cause gastric distress, stomach pains.

### CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

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**SECTION 4 - FIRST AID MEASURES**

INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

EYES: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

INGESTION: Drink large quantities of water or milk; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED)

&gt; 200° F (&gt; 93.3° C)

FLAMMABLE LIMITS

LEL: Not applicable

UEL: Not applicable

AUTOIGNITION TEMPERATURE: 780° F (416° C)

NFPA CLASS: **IIIB**

GENERAL HAZARDS: Product will support combustion. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES

Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.

Caution - material will support combustion!

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes, oxides of carbon

**SECTION 6 - ENVIRONMENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Confine and absorb into approved absorbent; place material into approved containers for disposal; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions; ref

**SECTION 7 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS**

The use of local exhaust ventilation is recommended. No other special controls are indicated.

**PERSONAL PROTECTION:**

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds standard workplace limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

EYE PROTECTION: Goggles with side shields; safety eyebath nearby.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

VAPOR PRESSURE (MM Hg)

0.22 mm Hg @ 25 ° C

VAPOR DENSITY (AIR = 1)

&gt; 1

SPECIFIC GRAVITY (WATER = 1)

1.030

EVAPORATION RATE (WATER = 1)

&lt; 1

SOLUBILITY IN WATER

Complete

FREEZING POINT

Not determined

pH

6.5 - 7.0

APPEARANCE AND ODOR

Light amber liquid, sweet ketone odor

BOILING POINT

370°F (188° C)

PHYSICAL STATE

Liquid

VISCOSITY

0.581 poise @ 20°C

VOLATILE ORGANIC COMPOUNDS (Total VOC's)

None

**SECTION 10 - STABILITY AND REACTIVITY**

STABILITY

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID:

Extreme temperatures

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: XXX

CONDITIONS TO AVOID:

None

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Hazardous Ingredients	%	CAS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
1,2-Propylene glycol (d)	80 - 100	57-55-6	20,000 mg / kg Oral - rat	Not established
Triadimefon (a,e,*)	0.5 - 1.0	43121-43-3	812 mg / kg Oral - male rat	> 3.532 mg / l / 4H Inhalation - rat
Cyclohexanone (b,c)	0.5 - 1.5	108-94-1	1535 mg / kg Oral - rat	8000 ppm / 4H Inhalation - rat
Trimethylbenzenes, mixed isomers (a)	0.25 - 1.0	25551-13-7	Not established	Not established

**SECTION 12 - ECOLOGICAL INFORMATION**

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Do not flush to sanitary sewer or waterway. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal

**SECTION 14 - TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Not Regulated

DOT HAZARD CLASS / Pack Group: Not regulated

REFERENCE: Not Applicable

UN / NA IDENTIFICATION NUMBER: None

LABEL: None Required

HAZARD SYMBOLS: None

IATA HAZARD CLASS / Pack Group: Not regulated

IMDG HAZARD CLASS: Not regulated

RID/ADR Dangerous Goods Code: Not regulated

UN TDG Class / Pack Group: Not regulated

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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## SECTION 15 - REGULATORY INFORMATION

### TSCA (Toxic substance Control Act)

Components of this product are listed on the TSCA Inventory.

### SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Acute health, possible skin and eye irritation

313 Reportable Ingredients:

(a) A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

### CERCLA (Comprehensive Response Compensation and Liability Act)

(c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture > 24,000 lbs) or greater amounts, according to 4

### EPA (Environmental Protection Agency)

Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved label copy. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

### IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

### DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Triadimefon (43121-43-3) is not listed on the DSL or NDSL. All other components of this product identified by CAS number are listed on the DSL or NDSL. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

### EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

### EC Risk Phrases

R36 Irritating to eyes.  
R38 Irritating to skin.

### EC Safety Phrases

S2 Keep out of the reach of children.  
S24 Avoid contact with skin.  
S25 Avoid contact with eyes.

## SECTION 16 - OTHER INFORMATION

No specific notes.

### HMIS HAZARD RATINGS

HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

PERSONAL PROTECTIVE EQUIPMENT C Safety Glasses, Gloves, Apron

### REVISION SUMMARY:

This MSDS has been revised in the following sections:

Section 14	Transportation information
Section 15	WHMIS DSL / NDSL information

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.